

CLAIMS

REPLACEMENT
PART 34 P.M.D.T

1. A lock comprising:

an electronics module;

a secure housing having

a first portion containing mechanical components of said lock;

a second portion for receiving said electronics module;

and handle means mounted externally of the secure housing

said electronics module comprising:

a power supply;

wireless transceiver means capable of receiving an authorisation signal from non contact electronic key means; and

actuator means responsive to said authorisation signal

said mechanical components in said first portion of said housing comprising:

a retaining pin for releasably retaining a bolt in position in said lock and a linkage mechanism for connecting said handle means to said retaining pin to cause movement of said handle means to displace said retaining pin, wherein said actuator means of said electronics module interacts with said linkage mechanism such as to permit movement of said handle means to displace said retaining pin when an authorisation signal has been received.

2. A lock as claimed in Claim 1, comprising a mechanical key operated lock and key for releasing said electronics module.
3. A lock as claimed in Claim 2, wherein said mechanical key operated lock and key can also release said locking pin from said bolt to perform a manual override operation in the event of failure of said electronics module.

4. A lock as claimed in Claim 2, wherein the turning of said key in said mechanical key operated lock in a first direction releases said retaining pin from said bolt and wherein the turning of said key in a second direction releases said electronic module from said housing.
5. A lock as claimed in Claim 4, wherein said mechanical key operated lock is arranged to receive a key type which can only turn said mechanical key operated lock in one direction and a second key type that can turn the said mechanical key operated lock in the other direction.
6. A lock as claimed in Claim 5, wherein said mechanical key operated lock is arranged to receive a key type which can turn said mechanical key operated lock in both directions.
7. A lock as claimed in any preceding claim, wherein said linkage mechanism only provides a mechanical linkage between said handle means and said retaining pin when an authorisation signal has been received.
8. A lock as claimed in any one of Claims 2 to 7, further comprising a security cover plate fixed over a keyhole for said mechanical key operated lock.
9. A lock as claimed in any preceding claim, wherein said electronics module is normally in a sleep mode and is awoken by mechanical operation of said handle means such that said transceiver means can then detect the presence of a contact-less key.
10. A lock as claimed in any preceding claim, wherein said electronics module and said mechanical components are arranged such that an authorisation signal has to be received to permit said bolt to be locked into said lock by said retaining pin.
11. A lock as claimed in any preceding claim, wherein said electronics module comprises sensor means for detecting the presence of said bolt.
12. A lock as claimed in any preceding claim, wherein said electronics module stores an audit trail identifying the contact-less key that authorised operation of said lock.
13. A lock as claimed in any preceding claim, comprising a dummy electronics module mechanically configured such that when inserted in said second portion of said secure housing it physically interacts with said mechanical components to manually release said lock.
14. A lock substantially as hereinbefore described, with reference to, and/or as illustrated in one or more of the accompanying figures.

15. An electronics module for use with a lock, as claimed in any preceding claim.
16. A lock as claimed in any preceding claim, comprising wireless communication means for communicating with remote transceiver means.